Datasheet for ABIN1533266

anti-ERK1/2 antibody (AA 330-379)

2 Images

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Overview

Quantity:	100 µL
Target:	ERK1/2 (MAPK1/3)
Binding Specificity:	AA 330-379
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK1/2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human p44/42 MAPK.
Isotype:	IgG
Specificity:	p44/42 MAPK Antibody detects endogenous levels of total p44/42 MAPK protein.
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen.
Purity:	> 95 %

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	p44/42 MAPK (MAPK1/3 Products)
Background:	Synonyms: ERK-1, ERK1, ERT2, Extracellular signal- regulated kinase 1, Insulin-stimulated MAP2

Target Details

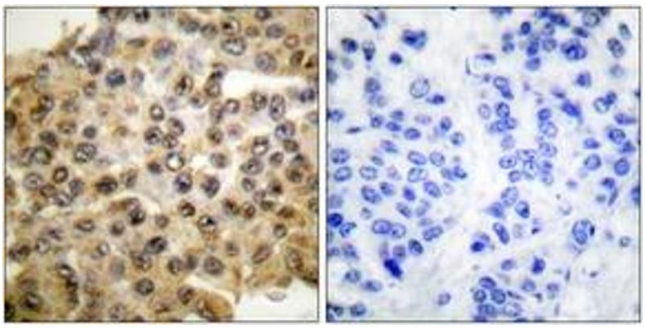
	kinase, kinase ERK1, MAP kinase 1, MAPK 1, MAPK3, Microtubule- associated protein-2 kinase, Mitogen-activated protein kinase 3, MK03, MNK1, p44-ERK1, P44-ERK1, p44-MAPK, NCBI Gene Symbol: MAPK3
Molecular Weight:	43 kDa
Gene ID:	5595
OMIM:	601795
UniProt:	P27361, P28482

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:10000
Comment:	Unigene-Number: Hs.861 (NCBI Gene Symbol: MAPK3)
Restrictions:	For Research Use only

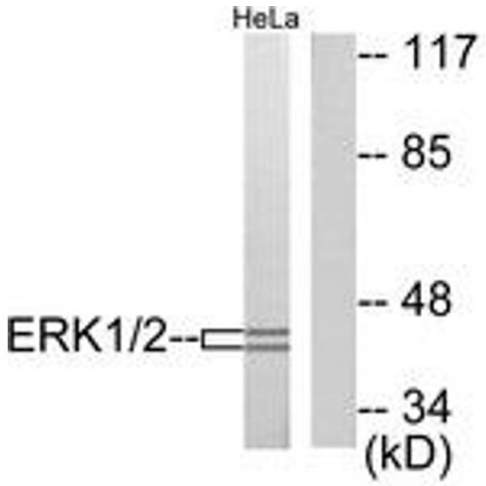
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using p44/42 MAPK Antibody. The picture on the right is treated with the synthesized peptide.



Western Blotting

Image 2. Western blot analysis of extracts from HeLa cells, using p44/42 MAPK Antibody. The lane on the right is treated with the synthesized peptide.